

# SHS-Ferrosilide Anode-Grounders for Electrochemical Corrosion Protection

Safronov G., Safronov N., Kharisov L.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

## Abstract

© 2017 Springer Science+Business Media New York A method for producing castings of anode-grounders by recycling fine wastes from engineering enterprises during self-propagating high-temperature synthesis is proposed. A mathematical model for the dependence of the SHS-ferrosilide operating properties on the starting components is obtained using experiment planning. Results of analytical experiments are presented.

<http://dx.doi.org/10.1007/s10556-017-0295-9>

---

## Keywords

corrosion, high-silicon cast iron, recycling, SHS process